Project Design Phase-II
Technical Architecture

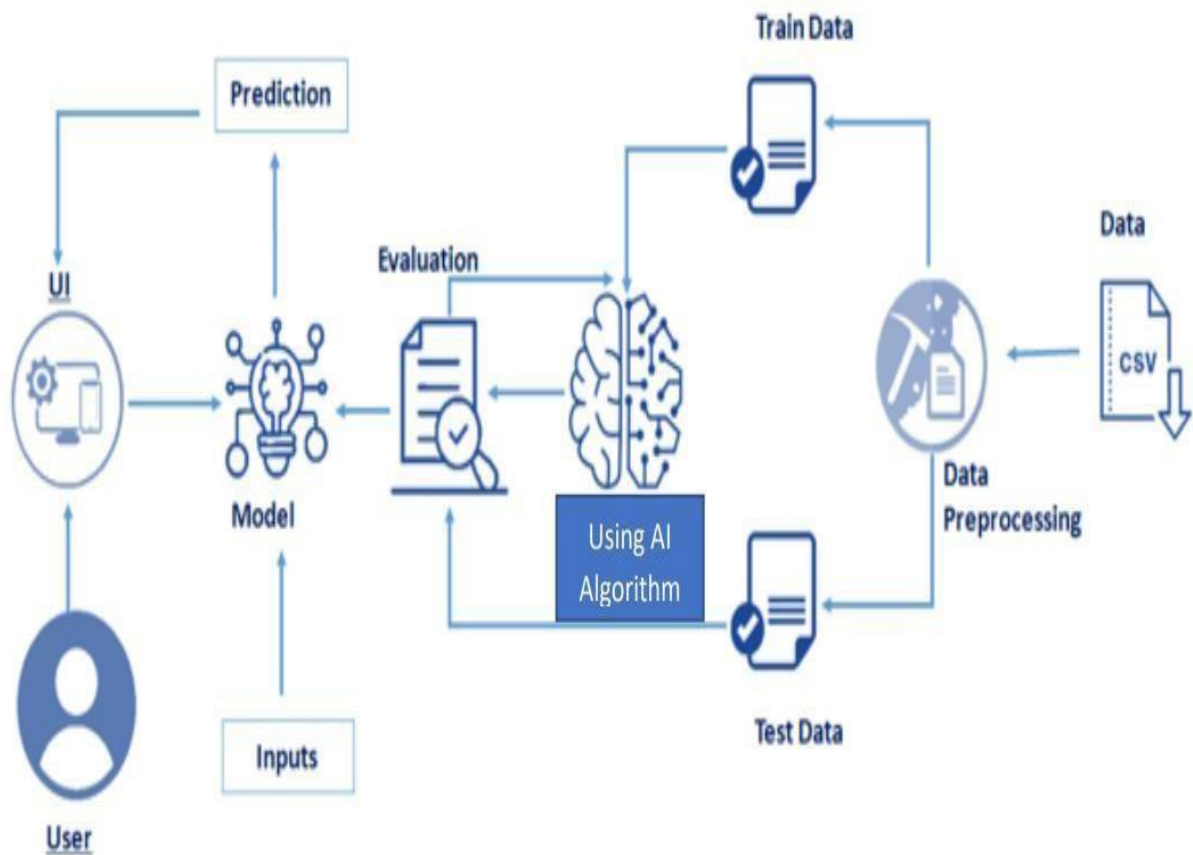| Date	11 November 2022
Team ID	PNT2022TMID46440
Project Name	Title: Water Quality Analysis and Prediction using Machine Learning
Maximum Marks	2 Marks

Technical Architecture:

TABLE 1: COMPONENTS AND TECHNOLOGIES

S.NO	COMPONENTS	DESCRIPTION	TECHNOLOGIES
1	User Interface	Userinteract with application	HTML,CSS etc..
2	Application logic	Logic for a process in application	Java/Python,IBM Watson
3	Database	Dataset, configuration etc.	MYSQL,NoSQL etc..
4	Cloud Database	Database service on cloud	IBM DB2,IBM Cloudant
5	File storage	File storage requirements	IBM Block storage or other storage services
6	Machine learning model	Purpose of ML model	Recognition model
7	Infrastructure	Application deployment	Local,Kubernates, Flask App etc.

CHARACTERISTICS:

* Open source frameworks
* Security Implementation